Ir nal Application No PCT/US2004/025604

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07K16/28 C12N15/68
C07K14/60

C12N15/68 C12N5/10

A61K39/395

C12N15/13

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) $IPC \ 7 \ C07K$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, Sequence Search, BIOSIS, EMBASE, PAJ, WPI Data

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT	
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MURAKAMI N ET AL: "Role for central ghrelin in food intake and secretion profile of stomach ghrelin in rats" JOURNAL OF ENDOCRINOLOGY, BRISTOL, GB, vol. 174, no. 2, August 2002 (2002-08), pages 283-288, XP009022559 ISSN: 0022-0795 cited in the application abstract figure 1	1-39
X	EP 1 197 496 A (KANGAWA, KENJI) 17 April 2002 (2002-04-17) cited in the application paragraph '0226! example 16	1-36,39, 40
Y	claims 46,48 	37,38

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "8" document member of the same patent family
Date of the actual completion of the international search 1 April 2005	Date of mailing of the international search report 19/04/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Ulbrecht, M

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Int d Application No
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(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT				
tegory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
	WO 01/87335 A (ELI LILLY AND COMPANY; BRYANT, HENRY, UHLMAN; HEIMAN, MARK, LOUIS) 22 November 2001 (2001-11-22) cited in the application	39		
,	claims 1,7,13-17	37,38		
X	HOSODA HIROSHI ET AL: "Ghrelin and des-acyl ghrelin: Two major forms of rat ghrelin peptide in gastrointestinal tissue" BIOCHEMICAL AND BIOPHYSICAL RESEARCH	1-36,39, 40		
	COMMUNICATIONS, vol. 279, no. 3, 29 December 2000 (2000-12-29), pages 909-913, XP002322694 ISSN: 0006-291X abstract page 909, right-hand column, paragraph 3			
Υ	figure 1	37,38		
X	ARIYASU H ET AL: "Stomach is a major source of circulating ghrelin, and feeding state determines plasma ghrelin-like immunoreactivity levels in humans" ENDOCRINOLOGY, BALTIMORE, MD, US, vol. 86, no. 10, October 2001 (2001-10), pages 4753-4758, XP002223632 ISSN: 0013-7227	1-36,39, 40		
Υ	page 4754, right-hand column, paragraph 1	37,38		
Α	DATABASE Geneseq 'Online! 13 August 2001 (2001-08-13), "Murine anti-PI-3,4-P2 antibody light chain variable region." XP002322695 retrieved from EBI accession no. GSN:AAB97194 Database accession no. AAB97194 the whole document	1,4,5, 25-28		
Α	DATABASE Geneseq 'Online! 13 August 2001 (2001-08-13), "Murine anti-PI-3,4-P2 Ig light chain CDR1." XP002322696 retrieved from EBI accession no. GSN:AAB97198 Database accession no. AAB97198 the whole document	1,4,5, 25-28		

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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
A	HOLT L J ET AL: "Domain antibodies: proteins for therapy" TRENDS IN BIOTECHNOLOGY, ELSEVIER PUBLICATIONS, CAMBRIDGE, GB, vol. 21, no. 11, November 2003 (2003-11), pages 484-490, XP004467495 ISSN: 0167-7799 abstract page 485, left-hand column, paragraph 1	1-40	

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	At the second of
Box II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
his Inter	ernational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
. X	Claims Nos.: 37,38 because they relate to subject matter not required to be searched by this Authority, namely:
	Although claims 37 and 38 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
s. 🔲	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
3ox III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Inte	ernational Searching Authority found multiple inventions in this international application, as follows:
1	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. 🗌	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remar	The additional search fees were accompanied by the applicant's protest.

al Application No
PCT/US2004/025604

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 1197496	A	17-04-2002	AU BR CA EP JP CN WO JP	6023100 A 0012688 A 2380058 A1 1197496 A1 3471780 B2 1362968 A 0107475 A1 2004000251 A	13-02-2001 16-04-2002 01-02-2001 17-04-2002 02-12-2003 07-08-2002 01-02-2001 08-01-2004
WO 0187335	A	22-11-2001	AU EP WO	5905601 A 1286697 A2 0187335 A2	26-11-2001 05-03-2003 22-11-2001